AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
J	1

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
0007	21-Sep-2005	W16ROE-5193-5922	

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
USA ENGINEER DISTRICT, NEW YORK ATTN:CENAN-CT ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278	W912DS	See Item 6	

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		
	X	9A. AMENDMENT OF SOLICITATION NO. W912DS-05-B-0016
	X	9B. DATED (SEE ITEM 11) 09-Aug-2005
		10A. MOD. OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer [X] is extended, [ ] is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

[ ] A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

[ ] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

[ ] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[ ] D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this amendment is to:

(i) convert this solicitation to a negotiated procurement. Only those entities who submitted bids for Invitation for Bid W912DS-05-B-0016 will be permitted to enter into negotiations. Proposals are due by 11:00 A.M. on 23 September 2005. Proposals may be faxed to (212) 264-3013 to the Attention of Scott Helmer.

(ii) provide revisions to the specifications and drawings.

(iii) provide a revised price schedule on which offerors will submit their prices.

(iv) provide sections 00110 (Submission Requirements and Instructions), 00120 (Proposal Evaluation and Contract Award) and 07220 (Roof and Deck Insulation).

(v) add FAR Clauses 52.215-1 ALT I and 52.215-5 and delete FAR Clauses 52.214-3, 52.214-4, 52.214-5, 52.214-6, 52.214-7, 52.214-18, 52.214-19 and 52.214-5000.

The plans and specifications from W912DS-05-B-0016 and amendments 0001-0006 are hereby incorporated by reference.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	TEL: EMAIL:

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	21-Sep-2005

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:
AMENDMENT 0007
REVISED PRICE SCHEDULE:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001		1	Lump Sum		

All work for the FY05 Force
FFP
Modernization/Education Facility as described in the plans and specifications, including all plant, labor and materials, complete and excluding Items Nos. 2, and 3 below and all options. (This work includes all costs for the pad mounted transformer and service to the building from transformer.)

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002		1	Lump Sum		

Site Work
FFP
all work outside the five-foot line of the building perimeter, inclusive of demolition (As shown on the Civil, Demolition and Exterior Electrical drawings and described within the specifications).

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003		1	Lump Sum		
	All work for the Final FFP Record Drawing Submission (See paragraph 10,i of Section 00800). This price cannot be changed.				
					$20,000.00
				NET AMT	

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004		1	Lump Sum		
OPTION	Option No. 1 FFP Added cost to provide Vehicle Processing Bay (Area between column lines 2 and 3 and column lines A and E) complete inclusive of all electrical services and lighting, ventilation and heating, compressed air piping, piping, etc., inclusive of vehicle exhaust system and pavement (paved area of 9.7M by 60M) servicing this bay, as shown on the drawings and described in the specifications.				
				NET AMT	

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005		1	Lump Sum		
OPTION	Option No. 2 FFP Added cost to provide Vehicle Processing Bay (Area between column lines 3 and 4 and column lines A and E) complete inclusive of all electrical services and lighting, ventilation and heating, compressed air piping, piping, etc., inclusive of vehicle exhaust system and pavement (paved area of 9.7M by 60M) servicing this bay, as shown on the drawings and described in the specifications.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006		1	Lump Sum		
OPTION	Option No. 3 FFP Provide 4.5 Metric Ton bridge crane (inclusive of Structural Steel for the supports of the bridge crane) as shown on drawings and described in the specifications.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007		1	Lump Sum		
OPTION	Option No. 4 FFP Provide bituminous asphalt and pavement marking/striping in lieu of existing parking surface and provide lighting system (all pole mounted lighting in parking lot) for the POV Parking Lot (Eastside of the new facility) and as described on the drawings and in the specifications.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008		1	Lump Sum		
OPTION	Option No. 5 FFP Provide lighting system (8 pole mounted box lighting fixtures, etc.) for the existing vehicle storage area (Westside of the new facility) and as described on the drawings and in the specifications.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009		1	Lump Sum		
OPTION	Option No. 6 FFP Provide concrete Loading Dock with Ramp for forklift and overhead door OH-14 as shown on Drawings A-101 and A-200 and, paving at entrance of Ramp, as shown on CS-101 and as described in the specifications.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013		1	Lump Sum		
OPTION	Option No. 10 FFP Provide motorized operators for all overhead doors in lieu of manually operated chain-wheel operators for the following overhead doors, as described in the specifications: OH-2, OH-4 through OH-10. (Note: OH-1 and 3 shall be provided under CLIN 1).				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014		1	Lump Sum		
OPTION	Option No. 11 FFP Provide motorized operators for all overhead doors in lieu of manually operated chain-wheel operators for the following overhead doors, as described in the specifications: OH-11, OH-12 and OH-13.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010		1	Lump Sum		
OPTION	Option No. 7 FFP Provide bituminous asphalt in lieu of gravel pavement servicing all but two Vehicle Processing Bays and the Vehicle Classroom (see CLIN No's 4, 5 and 15 for pavement area excluded from this price).				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011		1	Lump Sum		
OPTION	Option No. 8 FFP Provide three (3) hydraulically operated Dock Levelers in lieu of manually operated Dock Levelers, as shown on the drawings and described in the specifications. (Note: Installation of 27mm diameter rigid steel Electrical Conduit with pull wire from leveler pits to stub up at exterior wall 400mm above finish floor shall be provided and installed under CLIN 1.)				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0012		1	Lump Sum		
OPTION	Option No. 9 FFP Provide lightning protection, as shown on drawings E107 and E108 and described in the specifications.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0015		1	Lump Sum		
OPTION	Option No. 12 FFP Provide Vehicle Classroom Bay (room number 106), (Area between column lines 5 and 6 and column lines A and E) complete inclusive of all electrical services and lighting, ventilation (provide taps off of the main duct for future classroom bay. Cap ducts immediately after tap. Balance AHU-1 to 2331 l/s) and heating, piping, etc. and inclusive of with folding partitions and pavement (paved area of 10.68M by 60M) servicing this bay, as shown on the drawings and described in the specifications. Water supply for fire suppression (piping & connection as shown on drawing FS-100) to be provided in adjacent Vehicle Processing Bay under base bid CLIN item 1.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0016		1	Lump Sum		
OPTION	Option No. 13 FFP Provide concrete pavement in lieu of gravel pavement for vehicle drive servicing the Warehouse.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0017		1	Lump Sum		
OPTION	Option No. 14 FFP Provide concrete walkways in lieu of gravel pavement for drive servicing the Warehouse from Fifth Street.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0018		1	Lump Sum		
OPTION	Option No. 15 FFP Provide radio controlled electric powered slide gate at Ontario Ave. and Fifth Street, as shown on the drawings and described in the specifications, in lieu of removing and replacing existing gate at this location.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0019		1	Lump Sum		
OPTION	Option No. 16 FFP Provide all grading, gravel, fencing changes, and drainage ditches (in and around the existing vehicle storage area) as shown on drawing CG-101. For base bid, maintain the 450mm storm drain piping from the infiltration basin to a new manhole (provide and install) at the corner of Ontario Ave. and Fifth Street East to connect the two storm water drains.				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0020		1	Lump Sum		
OPTION	Option No. 17 FFP Provide chiller, chiller pad, chilled water lines, chiller pumps, and electrical requirements as shown on the drawings CS101, M402, M505, M601, E601, and as described in the specifications. (Under CLIN No. 1, provide the following: cooling coils AHU 1 and 2; chilled water supply piping stubbed up 400MM above mechanical room floor extending as shown on the drawings 2 meters from the exterior of the building capped and insulated; circuit breakers for chilled water pumps and chiller and conduit from MDP for chiller terminated and capped 2 meters from the exterior of the building).				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0021		1	Lump Sum		
OPTION	Option No. 18 FFP Provide curved roof canopies as shown on the drawings A-105 and A-505 and as described in the specifications in lieu of a 4 on 12 double sloped roof standing seam metal canopy. (Base bid CLIN No. 1 will include the double sloped roof canopies).				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0022		1	Lump Sum		
OPTION	Option No. 19 FFP Provide 2 domestic water heaters, including piping, controls, exhaust flues, gas service, electrical connections, wiring, relays, etc. as shown in drawing P-400, drawing P-600 and as described in the specifications. (Under CLIN No. 1, provide and install one 10 gallon electric water heater with related DHW piping, circuit breakers, electrical connections, etc.) for each the restroom (Men's Rm 111, Women's Rm 112, Men's Rm 212, and Women's Rm 211) and janitor closet (JAN closet Rm 110 and Jan closet RM 214). These electrical water heaters (6 total) will be located above the ceilings).				

NET AMT

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0023		1	Lump Sum		
OPTION	Option No. 20 FFP Provide building with parapet height of 10,363 mm as shown on the drawings (e.g., Detail 2, sheet A-402). (For base bid CLIN No. 1, the building parapet height will not be less than 8,500 mm between column lines 1 and 6 and between column lines 10 and 13, and will include the Bidder's own design for HVAC ductwork for the attic space and other details).				

NET AMT

FOB: Destination

Total Base (CLIN 0001-0003) $_____

Total Optional Items (CLIN 0004-0023)$ _____

Total Base plus Options (CLIN 0001-0023) $ _____

NOTES:

1. The minimum construction award will be the amount for the Base Items.

2. Offerors are required to price the Base Items and all Option Items or their offer may be rejected.

3. Offerors are reminded that they must price their proposal on the issued plans and specifications as amended. Any deviations, conditions or attachments made by the offeror himself thereto may render their offer non-responsive and be cause for its rejection.

4. Option No.1 thru Option No.20: At any time prior to 90 calendar days after award of the contract, the Government at its option, may direct the Contractor, by written order, to perform any of the options.

5. Award of any or all of the Option Items will not extend or reduce the contract duration indicated in Paragraph 1 of section 00800 or elsewhere in the contract documents.

AMENDED DRAWINGS AND SPECIFICATIONS FOR Force Modernization Education/Transitional Facility, Fort Drum, New York, W912DS-05-B-0016;

TO OFFERORS

The following changes shall be made to the drawings and specifications.

SPECIFICATIONS

1. The following specifications sections are **REVISED** and **REISSUED** with this amendment:

   07220 - Roof and Deck Insulation

2. The following specifications are **REVISED**, but not reissued.

Section 07412 - NON-STRUCTURAL METAL ROOFING; Paragraph 2.1.1, Steel Panel; **DELETE** "Roof panel material shall be minimum 0.60 mm (24 gage) thick prior to coating application, and as required to meet wind uplift requirements." where it appears in this paragraph and **REPLACE** it with "Roof panel material shall be minimum 26 gage thick prior to coating application, and as required to meet wind uplift requirements."

Section 07412 - NON-STRUCTURAL METAL ROOFING; Paragraph 1.6.3, Metal Roof System Installer Warranty; **DELETE** "Contractors Five (5) Year No Penal Sum Warranty for Non-Structural Roof System" where it appears in this paragraph and **REPLACE** it with "Contractors One (1) Year No Penal Sum Warranty for Non-Structural Roof System".

Section 13930A - WET PIPE SPRINKLER SYSTEM, FIRE PROTECTION, paragraph 2.2.1 Pipe, DELETE the text of this paragraph and REPLACE with the following; "Steel pipe, conform to ASTM A 53/A 53M, Schedule 10, Type E or S, Grades A or B, unless otherwise prohibited. Do not use Type F pipe."

DRAWINGS

1. The following drawings are REVISED but not reissued:

Sheet A-500, Wall Section; Wall Section A: **REPLACE** "R-20 prefinished insulating metal panel system" where it may appear on this drawing or elsewhere in the plans and specification with the following: "R-20 factory finished insulated metal siding/system. See drawing A-501 for Sections 2, 3 and 5 for details."

Sheet A-500, Wall Section; Core Section C: **REPLACE** "Rigid Roof Insulation (R-48)" where it appears on this drawing or elsewhere in the plans and specification with the following: "Rigid Roof Insulation (R-40)".

Sheet S-001, Structural Notes: **ADD** the following note #9, 10 and #11 under the heading of GENERAL :

"9. The Contractor is advised that the Metal Building Manufacturer (MBM) and/or his Engineer are responsible for the design/supply of the building steel (building steel includes but is not specifically limited to: steel columns, beams, girts, purlins, steel decks, joists, metal siding, and connections for same to one another or to the foundation) and the building foundation.

10. The contractor is also advised that the interstitial space (600 mm minimum; See drawing A-500, Wall Section B) between the ceiling and bottom side of the steel of the floor above must be maintained through out the core area for installation of the ductwork, electrical service and piping.

11. The Contractor or MBM may use cross bracing, provided the bracing does not block windows or doors or other interfere in anyway with the intended functions, areas or paths of travel depicted on the drawings."

DRAWINGS (continued)

Sheet M-601, Mechanical Schedules: **REPLACE** the Heating Water Coil Schedule for HC-1 only with the revised Heating Water Coil Schedule in Attachment 1.

Sheet M-601, Mechanical Schedules: **REPLACE** the Water Cooling Coil Schedule for WCC-1 only with the revised Water Cooling Schedule in Attachment 1.

Sheet M-601, Mechanical Schedules: **REPLACE** the Air Cooled Liquid Chiller Schedule as it appears on the drawing with the revised Air Cooled Liquid Chiller Schedule in Attachment 1.

Sheet M-601, Mechanical Schedules: **REPLACE** the Air Handling Unit Schedule for AHU-1 only with the revised Air Handling Unit Schedule in Attachment 1.

SECTION 00110

SUBMISSION REQUIREMENTS AND INSTRUCTIONS

1.0 BEST VALUE

1.1 This is a "Best Value", "Lowest Priced, Technically Acceptable", one-step solicitation for the construction of Force Modernization Educational/Transitional Facility at Fort Drum, New York. The criteria for this project are included in this Request for Proposal (RFP) package. The solicitation criteria rely upon industry standards, where allowable, to afford the Offeror a degree of design flexibility while meeting certain specific project requirements. The successful Contractor must construct a complete and usable facility, as described in the RFP documents.

2.0 NOTICE TO OFFERORS

2.1 Price Ceiling: The target ceiling for contract award is $5,700,000 if funds are made available for this project. The Government cannot guarantee that additional funds will be made available for award. Offerors are under no obligation to approach this amount.

2.2 Who May Submit: This offer is limited to the two original submitted bidders. Offerors will be required to demonstrate, as a minimum, satisfactory Past Performances and Past Experience. OFFERORS ARE ADVISED THAT AN AWARD MAY BE MADE WITHOUT DISCUSSIONS OR ANY CONTACT CONCERNING THE PROPOSALS RECEIVED. Offerors should not assume they would be contacted or afforded the opportunity to qualify, discuss or revise their proposal. However, the Government may contact offerors for the purpose of clarifying aspects of the proposal. The Government also reserves the right to enter into discussions if deemed necessary, and if discussions are conducted the offerors will be afforded the opportunity to revise their proposal.

2.3 Proposal Requirements and Submission: The proposals sought by this solicitation shall be contained in two separate parts or volumes. Volume I is the Past Performance Questionnaires & Past Experience information. Volume II is the Price Proposal itself. Submit your offer labeled clearly as Volume I and Volume II. Do not submit any materials not required by this solicitation (such as company brochures, or catalogue cuts not specifically requested).

2.4 Where To Submit: Offerors shall submit their proposal packages to the U.S. Army Corps of Engineers, New York District, 26 Federal Plaza, Room 1843, New York, NY 10278. Offerors shall also fax copies of their proposal to (212)264-3013 Attn: Scott Helmer.

2.5 Submission Deadline: The Corps of Engineers must receive your proposal no later than 11:00 A.M. on Friday 23 September 2005.

2.6 Incurring Costs: The Government is not liable for any costs incurred by the Offeror submitting an offer in response to this solicitation.

2.7 All proposals shall contain the evaluation requirements stated herein. Each Volume shall be clearly marked as to its content, i.e., project title, technical or price proposal, solicitation number, name, address, and telephone number of the Offeror (Prime and Subcontractors, Joint Venture, or other entity), and the time specified for receipt.

The proposal shall address and contain the information listed below. The information will be used by the Source Selection Evaluation Board to evaluate each proposal.

3.0 **VOLUME I - TECHNICAL PROPOSAL**

Volume I - Technical Proposal: Proposals will be evaluated based on the factors of Past Performance and Past Experience of the Prime Contractor, and/or that of any past Team Association or sub-contractors. Submit one

original and three copies. Volume I shall contain the Past Performance Questionnaires from past clients and listing any Past Experience Projects.

3.1 FACTOR 1: Past Performance Questionnaires

Offerors are required to provide a Past Performance questionnaire to their previous Client(s) for their past Client's input on their firm's and/or that of any past Team Association or sub-contractors Past Performance. Offerors shall submit Past Performance questionnaires on at least 1-3 projects, recent (project constructed within the past 7 years), relevant projects similar in scope. A project similar in scope refers to past performance on projects that entailed erecting vertical construction facilities including all associated utilities.

Your past Clients must be instructed to **fax** their completed questionnaires directly to the Corps of Engineers, Contract Specialist, no later than 11:00 A.M. on Friday 23 September 2005. **Additionally,** for the Technical Evaluation Board's tracking purposes, each Offeror shall provide, with their price offer, but labeled separately "Volume I - *Past Performance Information*", these will be the same Forms sent to past Clients with only the past Project Name and Location filled out as well as the Past Client's Name, Title and Phone Number. This information is necessary in case follow-up phone calls to past clients is deemed necessary.

The Government believes that an Offeror's Past Performance and the degree to which an Offeror satisfied their customer in the past is a good predictor of future performance. The Government will evaluate the quality and relevance of each Offeror's (and/or Teams or sub-contractors) submitted Past Performance and Past Experience on projects within the last seven years, which were similar in scope to this project. Relevant projects are those that are comparable in scope to this project.

Offerors are encouraged to provide the following information in addition to the requirements listed in the ***Past Performance*** sheet: (1) Copies of any interim or final performance ratings;(2) Copies of letters of commendation from the Client/Agency of the projects submitted; and (3) Copies of letters relating to contract compliance or non-compliance from the Client/Agency of the projects submitted.

Past Performance – The Government reserves the right to verify the past performance record of cited projects or other recent projects by reviewing the Corps of Engineers Construction Contractor Appraisal Support System (CCASS) or to interview clients/owners or references. The Government may check any or all cited references to verify supplied information and/or to assess owner satisfaction (Past Performance). Owners/references may be asked to comment on items such as quality of construction; timeliness, management of the work; subcontractor management; including timely payment to subs and suppliers; safety; relations between owner and contractor; level of support for such things as as-built documentation, O&M manuals; training; correcting construction errors; warranty work; etc.

3.2 FACTOR 2 – Past Experience

Offerors are required to provide a Project Experience questionnaire to the New York District _____ on their firm's and/or that of any past Team Association or sub-contractors Past Experience. Offerors shall submit Project Experience questionnaires on at least 1-3 projects, recent (project constructed within the past 7 years), relevant projects similar in scope. A project similar in scope refers to past experience in erecting vertical construction facilities including all associated utilities.

4.0 **VOLUME II – PRICE PROPOSAL**

4.1 Submit this information in separate envelope labeled "Volume II - Price Proposal." If the proposal is faxed please send it under a separate header sheet labeled "Volume II - Price Proposal." For format see the Pricing Schedule.

4.2 Criteria for this evaluation factor include the price offer. The Technical Evaluation Board does not evaluate this volume; the Price Committee reviews it. Additionally, submit other pertinent financial documentation, in this volume, as appropriate, consisting of the SF 1442, proposed bid schedule, and bonds if necessary.

PROJECT EXPERIENCE

SOLICITATION NO.

PROJECT:

Offeror's Name: _____
Provide a completed form for each project for which experience is being claimed.

Experience Provided for (check more than one box if applicable):

[ ] Offeror: _____
[ ] Design Firm: _____
[ ] Key Subcontractor: _____

Was the project design-build? ___ Yes ___ No

Was Project a firm-fixed-price contract (Y/N)? ____ If No, what type was it?

_____
Project Name: _____
Project Location: _____
Owner/Client:

Firm's role on this project as reported on this Project Experience form: [ ] prime contractor; or [ ] subcontractor; or [ ] design firm

Brief Description of Project (Include, as applicable, how project is similar in scope and magnitude to the work required in this RFP)

_____
_____
_____
_____

Contract Amount: _____
Original Contract Completion Date: _____
Final Contract Completion Date: _____
Actual Completion Date: _____
Percent of Completion (if project is currently under construction) _____

Explanation of any Late Finish:

_____
_____
_____

Was the project terminated early or were cure/show cause letters received? ___Yes ___No
Explain early termination (default/convenience) or cure/show cause letters

_____
_____
_____

Safety record: ____Injuries with Lost Workdays*, ____Injuries without Lost Workdays*

(*Use the number reported on OSHA Form No. 200 or equivalent)

List and explain any customer concerns or dissatisfaction. Explain how you responded.
_____
_____
_____

Name, address, FAX and telephone number of the **Contracting Officer** if project was for federal government:
_____
_____

Comment If Previous Design/Construction Partnering With Each Other
_____
_____
_____
_____
_____
_____

PAST PERFORMANCE QUESTIONAIRRE

SOLICITATION NO:

PROJECT:

The U.S. Army Corps of Engineers, New York District, is interested in your assessment of the named company's "past performance". **Past performance** refers to the company's record of conforming to contract requirements and to standards of good workmanship; the company's record of forecasting and controlling costs; the company's adherence to contract schedules including the administrative aspects of performance; the company's history of reasonable and cooperative behavior and commitment to customer satisfaction; and the company's general business-like concern for the interest of the customer. These questions relate to the work performed by

_____
(Name of Offeror)

_____
(Name and Location of Project)

1. Is the information provided by the contractor in the attached Project Experience Form accurate and correct to the best of your knowledge?
Yes ( ) No ( )
Why Not?
_____
_____
_____

2. How would you rate the performance of this Contractor on the subject project?

a. Conformance to contract requirements and standards of good workmanship.
Excellent Good Satisfactory Fair Unsatisfactory

b. Adherence to contract schedules.
Excellent Good Satisfactory Fair Unsatisfactory

c. Reasonable and cooperative behavior and commitment to customer satisfaction.

Excellent Good Satisfactory Fair Unsatisfactory

d. Conformance to contract safety requirements.
Excellent Good Satisfactory Fair Unsatisfactory

e. Contractor's price, in terms of initial price and control of changes or claims.
Excellent Good Satisfactory Fair Unsatisfactory

3.Additional Comments:

_____
_____
_____
_____
_____
_____
_____

Client Name _____

Client Title _____

Telephone _____

Fax _____

E-Mail Address _____

Date _____

Return to: U.S. Army Corps of Engineers, New York District
Contracting Division, Attn: Scott Helmer
Jacob K. Javits Federal Building
26 Federal Plaza
New York, N.Y. 10278-0090
Ph: (917) 790-8082 FAX: (212) 264-3013

SECTION 00120

PROPOSAL EVALUATION AND CONTRACT AWARD

1.0 Technical Evaluation And General Scoring System

1.1 Summary

1.1.1 The evaluation process essentially consists of two parts: proposal compliance of past performance and past experience, and price evaluation. The decision shall be made on the basis of an assessment of the evaluation results as a whole, in accordance with the RFP requirements. Scores shall be established as the result of a consensus of the evaluators after duly considering and documenting any minority opinion.

1.1.2.1 Proposal Compliance Review – This is an initial check by Contracting Division on the basis of solicitation requirements. This review may eliminate those proposals, which fail to provide all required information and documents in the format and detail specified. This review is to ensure that all required forms and certifications are complete.

1.1.2.2 Technical/Quality Evaluation – The Source Selection Board, using technical advisors, if necessary, will evaluate all proposals. Technical/quality evaluation consists of an evaluation and rating of Volume 1.

1.1.2.3 Price Evaluation – The Government will evaluate price independently from the technical evaluation. Price will not be rated, but will be evaluated for fairness and reasonableness through the use of a price analysis. The price evaluators will also check for appearance of unbalancing of bids. Offerors are cautioned to include costs in the appropriate bid items, and to evenly distribute indirect costs, such as job overhead, home office overhead, bond, etc. to the appropriate bid items.

1.2 Definitions

1.2.1 A weakness is a flaw in the proposal that increases the risk of unsuccessful contract performance.

1.2.2 A "significant weakness" in the proposal is a flaw that appreciably increases the risk of unsuccessful contract performance.

1.2.3 A deficiency is a material failure of a proposal to meet a Government requirement or a combination of significant weaknesses in a proposal that increases the risk of unsuccessful contract performance to an unacceptable level.

1.2.4 A deviation occurs when a proposal takes exception to, implies, or specifically offers something below or above the specified criteria. The Offeror may or may not have called the deviation to the attention of the Government. A deviation that is below, or does not meet, the specified criteria is a deficiency. Evaluators must identify deviations.

1.2.5 Clarification is a limited exchange with an Offeror for the sole purpose of eliminating minor irregularities, informalities, or apparent clerical mistakes in the proposal or to address adverse past performance not previously addressed with Offeror. Clarifications do not give an Offeror the opportunity to revise or modify its proposal and are used, as necessary, when not opening discussions.

1.2.6 Communications are a limited exchange with an Offeror used to assist in determination of the competitive range. Communications are limited to enhancing Government understanding of proposals and addressing adverse past performance information not previously addressed if said information is the

determining factor preventing an Offeror from being included in the competitive range. Such communications shall not be used to cure proposal deficiencies or material omissions, or otherwise revise the proposal.

1.2.7 Discussions offer the opportunity to resolve deficiencies or weaknesses in the proposals, based on the requirement and the evaluation factors set forth in the solicitation. If the SSEB determines it is necessary to open discussions, they must discuss with all Offerors in the competitive range. Offerors have the opportunity to revise their proposals at the conclusion of discussions.

1.3 Quality Evaluation and Scoring System(s)

1.3.1 The Evaluation Committee will perform an in-depth review of the proposals. The Evaluation Committee will color score each evaluation factor for each proposal against the specified evaluation criteria in the RFP. The evaluation committee shall not compare proposals against each other.

1.3.2 The technical evaluation factors are listed below. The technical evaluation factors will be color scored in accordance with the score sheet used by the Source Selection Evaluation Board.

1.3.3 Scoring Guidelines. The Evaluation Committee will color score applicable evaluation factors utilizing the banding method that follows:

2. RATING GUIDELINES.

Technical Proposal

Factor 1 - Past Performance

Green	Based on offeror's past performance record, essentially no doubt exists that the offeror will successfully perform the required effort.
Yellow	Based on the offeror's past performance record, some doubt exists that the offeror will successfully perform the required effort.
Red	Based on the offeror's past performance record, extreme doubt exists that the offeror will successfully perform the required effort.
White	No relevant past performance is identifiable upon which to base a meaningful performance risk prediction. A search was unable to identify any relevant past performance information for the offeror of the key team members/subcontractors or their key personnel. This is neither a negative nor positive assessment.

Factor 2 - Past Experience

Color	Definition
Green	Proposal includes at least one project that meets the relevancy criteria.
Red	Proposal fails to provide a project that meets the relevancy criteria.

Note: Offeror(s) receiving a "Red" in any factor will be determined "Unacceptable and not considered for award.

Note: If an Offeror(s) is not submitting Past Performance questionnaires, the Offeror(s) is required to submit a statement stating that the firm has no past performance on similar relevant projects.

2.1 The Government will award a firm fixed price contract to the responsible Offeror whose proposal represents the lowest price and who has no "Unacceptable" (Red) ratings in any factors.

2.2 The basis of award will be the Government's assessment as to which proposal receives an acceptable rating and is the lowest price. Overall technical merit will be assessed by a consideration of the color scored evaluation factors. Price will be evaluated for fairness and reasonableness.

2.3 Offerors have been reminded to include their best technical and price terms in their initial offer and not to automatically assume that they will have an opportunity to participate in discussions or be asked to submit a revised offer. The Government may make award of an acceptable proposal without discussions, if deemed to be in the best interests of the Government.

End of Section –

SECTION 07220
ROOF AND DECK INSULATION
02/03

PART 1 GENERAL
1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM C 1289	(2002) Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
ASTM C 726	(2000a) Mineral Fiber Roof Insulation Board
ASTM C 728	(1997e1) Perlite Thermal Insulation Board
ASTM D 2178	(1997a) Asphalt Glass Felt Used in Roofing and Waterproofing
ASTM D 226	(1997a) Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing
ASTM D 312	(2000) Asphalt Used in Roofing
ASTM D 41	(1994; R 2000e1) Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing
ASTM D 4586	(2000) Asphalt Roof Cement, Asbestos Free
ASTM D 4601	(1998) Asphalt-Coated Glass Fiber Base Sheet Used in Roofing
ASTM E 84	(2003) Surface Burning Characteristics of Building Materials

FM GLOBAL (FM)

FM P7825 (2003) Approval Guide

UNDERWRITERS LABORATORIES (UL)

UL Bld Mat Dir (2004) Building Materials Directory

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Wood nailers; G, RO

Tapered roof insulation system; G, RO

Show location and spacing of wood nailers that are required for securing insulation. Show a complete description of the procedures for the installation of each phase of the system indicating the type of materials, thicknesses, identity codes, sequence of laying insulation, location of ridges and valleys, special methods for cutting and fitting of insulation, and special precautions.

SD-03 Product Data

Fasteners; G, RO

Insulation; G, RO

Include minimum thickness of insulation for steel and concrete decks and fastener pattern and type for insulation on steel decks.

SD-06 Test Reports

Flame spread and smoke developed ratings; G, RO

Submit in accordance with ASTM E 84.

1.3 MANUFACTURER'S CERTIFICATE

Submit certificate from the insulation manufacturer attesting that the installer has the proper qualifications for installing tapered roof insulation systems.

1.4 QUALITY ASSURANCE

1.4.1 Insulation on Steel Decks

Roof insulation shall have a flame spread rating not greater than 75 and a smoke developed rating not greater than 150, exclusive of covering, when tested in accordance with ASTM E 84. Insulation bearing the UL label and listed in the UL Bld Mat Dir as meeting the flame spread and smoke developed ratings will be accepted in lieu of copies of test reports. Compliance with flame spread and smoke developed ratings will not be required when insulation has been tested as part of a roof construction assembly of the type used for this project and the construction is listed as fire-classified in the UL Bld Mat Dir or listed as Class I roof deck construction in the FM P7825. Insulation tested as part of a roof construction assembly shall bear UL or FM labels attesting to the ratings specified herein.

1.4.2 Foam Board on Steel Decks

Separate polyurethane insulation from a steel deck with a thermal barrier of glass mat gypsum roof board or roof insulation in accordance with the requirements of the UL Bld Mat Dir or the FM P7825.

1.5 DELIVERY, STORAGE, AND HANDLING

1.5.1 Delivery

Deliver materials to site in manufacturer's unopened and undamaged standard commercial containers bearing the following legible information:

a. Name of manufacturer;

b. Brand designation;

c. Specification number, type, and class, as applicable, where materials are covered by a referenced specification; and

d. Asphalt's flashpoint (FP), equiviscous temperature (EVT), and finished blowing temperature (FBT).

Deliver materials in sufficient quantity to allow continuity of the work.

1.5.2 Storage and Handling

Store and handle materials in a manner to protect from damage, exposure to open flame or other ignition sources, and from wetting, condensation or moisture absorption. Store in an enclosed building or trailer that provides a dry, adequately ventilated environment.

1.6 ENVIRONMENTAL CONDITIONS

Do not install roof insulation panels during inclement weather or when air temperature is below 4 degrees C and interior humidity is 45 percent or greater, or when there is visible ice, frost, or moisture on the roof deck.

1.7 PROTECTION OF PROPERTY

Provide protection as specified in Section 07530 ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOF MEMBRANE, if any, or as recommended by the manufacturer.

1.7.1 Special Protection

Provide special protection approved by the insulation manufacturer, or avoid heavy traffic on completed work when ambient temperature is above 27 degrees C.

1.7.2 Drippage of Bitumen

Seal joints in and at edges of deck as necessary to prevent drippage of asphalt into building or down exterior walls.

PART 2 PRODUCTS

2.1 INSULATION

2.1.1 Insulation Types

Roof insulation shall be of the following materials and compatible with attachment methods for the specified insulation and roof membrane:

a. Expanded Perlite Board: ASTM C 728. Minimum 19 mm thick when both top and bottom surfaces will be in contact with asphalt.

b. Polyisocyanurate Board: ASTM C 1289 Type I -- foil faced both sides or Type II, fibrous felt or glass mat membrane both sides, except minimum compressive strength shall be 140 kPa.

2.1.2 Mineral-Fiber Insulation Board

ASTM C 726

2.1.3 Recovered Materials

Provide thermal insulation materials containing recycled materials to the extent practical. The required minimum recycled material content for the listed materials are:

Perlite Composition Board: 23 percent postconsumer paper
Polyisocyanurate/polyurethane: 9 percent recovered material

2.1.4 Insulation Thickness

As necessary to provide a thermal resistance (R value) as shown on drawings. Thickness shall be based on the "R" value for aged insulation. Insulation over steel decks shall satisfy both specified R value and minimum thickness for width of rib opening recommended in insulation manufacturer's published literature.

2.1.5 Tapered Roof Insulation

One layer of the tapered roof insulation assembly shall be factory tapered to a slope of not less than one in 24. Provide starter and filler blocks as required to provide the total thickness of insulation necessary to meet the specified slope and thermal conductance. Mitered joints shall be factory fabricated and shall consist of two diagonally cut boards or one board shaped to provide the required slopes. Identify each piece of tapered insulation board by color or other identity coding system, allowing the identification of different sizes of tapered insulation board required to complete the roof insulation system.

2.1.6 Cants and Tapered Edge Strips

Provide preformed cants and tapered edge strips of the same material as the roof insulation; or, when roof insulation material is unavailable, provide pressure-preservative treated wood, wood fiberboard, or rigid perlite board cants and edge strips as recommended by the roofing manufacturer, unless otherwise indicated. Face of cant strips shall have incline of 45 degrees and vertical height of 100 mm. Taper edge strips at a rate of 85 to 125 mm per meter down to approximately 3 mm thick.

2.2 PROTECTION BOARD

For use as a thermal barrier (underlayment), fire barrier (overlayment), or protection board for hot-mopped, torched-down, or adhesively-applied roofing membrane over roof insulation.

2.2.1 Glass Mat Gypsum Roof Board

ASTM C 1177, 0 Flame Spread and 0 Smoke Developed when tested in accordance with ASTM E 84, 3450 kPa, 16 mm thick, 1220 by 2440 mm board size.

2.3 BITUMENS

2.3.1 Asphalt Primer

ASTM D 41.

2.3.2 Asphalt

ASTM D 312, Type III or IV.

2.3.3 Asphalt Roof Cement

ASTM D 4586, Type I for horizontal surfaces, Type II for vertical and sloped surfaces.

2.4 MOISTURE CONTROL

2.4.1 Vapor Retarder

2.4.1.1 Asphalt-Saturated Felt Base Sheet for Single Layer Application

ASTM D 4601, weighing not less than 17.5 kilograms per 10 square meters.

2.4.1.2 Asphalt-Coated Glass Felt

ASTM D 2178, Type IV.

2.4.2 Organic Roofing

ASTM D 226, Type I.

2.5 FASTENERS

Flush-driven through flat round or hexagonal steel or plastic plates. Steel plates shall be zinc-coated, flat round not less than 35 mm diameter or hexagonal not less than 0.4 mm. Plastic plates shall be high-density, molded thermoplastic with smooth top surface, reinforcing ribs and not less than 75 mm in diameter. Fastener head shall recess fully into the plastic plate after it is driven. Plates shall be formed to prevent dishing. Do not use bell-or cup-shaped plates. Fasteners shall conform to insulation manufacturer's recommendations except that holding power, when driven, shall be not less than 534 N each in steel tank. Fasteners for steel or concrete decks shall conform to FM P7825c for Class I roof deck construction, and shall be spaced to withstand an uplift pressure of 4.3 kPa.

2.5.1 Fasteners for Steel Decks

Approved hardened penetrating fasteners or screws conforming to FM A/S4470 and listed in FM P7825 for Class I roof deck construction. Quantity and placement to withstand an uplift pressure of 4.31 kPa conforming to FM P7825.

2.6 WOOD NAILERS

Pressure-preservative-treated as specified in Section 06100N, "Rough Carpentry."

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

3.1.1 Surface Inspection

Surfaces shall be clean, smooth, and dry. Surfaces receiving vapor retarder shall be free of projections which might puncture the vapor retarder. Check roof deck surfaces, including surfaces sloped to roof drains and outlets, for defects before starting work. The Contractor shall inspect and approve the surfaces immediately before starting installation. Prior to installing vapor retarder or insulation, perform the following:

a. Examine steel decks to ensure that panels are properly secured to structural members and to each other and that surfaces of top flanges are flat or slightly convex.

b. In the presence of the Contracting Officer perform the following surface-dryness test on concrete substrates:

(1) Foaming: When poured on the deck, one pint of asphalt when heated in the range of 176 to 204 degrees C, shall not foam upon contact.

(2) Strippability: After asphalt used in the foaming test application has cooled to ambient temperatures, test coating for adherence. Should a portion of the sample be readily stripped clean from surface, do not consider surfaces to be dry and do not start application. Should rain occur during application, stop work and do not resume until surface has been tested by method above and found dry.

3.1.2 Surface Preparation

Correct defects and inaccuracies in roof deck surface to eliminate poor drainage and hollow or low spots and perform the following:

a. Install wood nailers the same thickness as insulation at edges, curbs, and roof openings for securing cant strips, and flashing flanges. On decks with slopes of one in 12 or more, install wood nailers perpendicular to slope for securing insulation and for backnailing of roofing felts. Space nailers in accordance with approved shop drawings.

b. Cover steel decks with a layer of insulation board of sufficient thickness to span the width of a deck rib opening, and conforming to fire safety requirements. Secure with piercing or self-drilling, selftapping fasteners of quantity and placement conforming to FM P7825. Insulation joints parallel to ribs of deck shall occur on solid bearing surfaces only, not over open ribs.

3.2 INSTALLATION OF VAPOR RETARDER

Install vapor retarder in direct contact with roof deck surface insulation. Vapor retarder shall consist of two plies of No. 15 asphalt-saturated felt, two plies of asphalt-coated glass felt. Lay vapor retarder at right angles to direction of slope. Install first ply of felt or base sheet as specified herein for the specific deck. Apply second ply of 2-ply vapor retarder system using asphalt at rate of 10 to 18 kgs per 10 square meters,

applied within plus or minus 15 degrees C of EVT. Do not heat asphalt above asphalt's FBT or 275 degrees C, whichever is less. Use thermometers to check temperatures during heating and application. Side and end laps shall be completely sealed. Asphalt shall be visible beyond all edges of each ply as it is being installed. Plies shall be laid free of wrinkles, buckles, creases or fishmouths. Workers shall not walk on mopped surfaces when the asphalt is sticky. Press out air bubbles to obtain complete adhesion between surfaces. At walls, edges, and other vertical surfaces, the vapor retarder organic felts shall be extended 225 mm, or separate organic felt plies shall be extended 225 mm, with no less than 225 mm on the substrate, and the extended portion turned back and mopped in over the top of the insulation. At roof penetrations other than walls, eaves and rakes, and vertical surfaces, the vapor retarder or separate plies shall be extended 225 mm to form a lap which shall later be folded back over the edge of the insulation. Asphalt roof cement shall be used under the vapor retarder for at least 225 mm from walls, eaves, rakes and other penetrations.

3.2.1 Vapor Retarder on Steel Decks

Solidly mop the mechanically secured insulation surface with asphalt before installing vapor retarder. For a 2 ply vapor retarder, install each sheet lapping 480 mm over the preceding sheet. Lap ends not less than 100 mm. Stagger the laps a minimum of 300 mm. Cement felts together with solid mopping of asphalt. Apply asphalt moppings at rate of 10 to 18 kgs per 10 square meters.

3.3 INSULATION INSTALLATION

Apply insulation in two layers with staggered joints when total required thickness of insulation exceeds 13 mm. Lay insulation so that continuous longitudinal joints are perpendicular to direction of roofing, and end joints of each course are staggered with those of adjoining courses. When using multiple layers of insulation, joints of each succeeding layer shall be parallel and offset in both directions with respect to layer below. Keep insulation 13 mm clear of vertical surfaces penetrating and projecting from roof surface.

3.3.1 Installation Using Asphalt

Firmly embed each layer in solid asphalt mopping; mop only sufficient area to provide complete embedment of one board at a time. Provide 10 to 18 kgs of asphalt per 10 square meters of roof deck for each layer of insulation. Apply asphalt when temperature is within plus or minus 15 degrees C of EVT. Do not heat asphalt above asphalt's FBT or 275 degrees C, whichever is less, for longer than 4 consecutive hours. Use thermometers to check temperatures during heating and application.

3.3.2 Installation Using Asphalt on Steel Decks

Secure first layer of insulation and thermal barrier to deck with piercing or self-drilling, self-tapping fasteners. Engage fasteners by driving them through insulation into top flange of steel deck. Use driving method prescribed by fastener manufacturer. Insulation joints parallel to ribs of deck shall occur on solid bearing surfaces only, not over open ribs. Secure succeeding layers with solid asphalt moppings.

3.3.3 Installation Using Only Mechanical Fasteners

Secure total thickness of insulation with penetrating type fasteners.

3.3.4 Special Precautions for Installation of Foam Insulation

3.3.4.1 Polyisocyanurate Insulation

Where polyisocyanurate foam board insulation is provided, install 13 mm thick wood fiberboard, glass mat gypsum roof board, or 19 mm thick expanded perlite board insulation over top surface of foam board insulation. Stagger joints of insulation with respect to foam board insulation below.

3.3.5 Tapered Edge Strips

Where indicated, provide edge strips in the right angle formed by junction of roof and wood nailing strips that extend above level of roof. Install edge strips flush against vertical surfaces of wood nailing strips. Where possible, nail edge strips to adjoining surfaces. Where installed against non-nailable materials, install in heavy mopping of asphalt or set in heavy coating of asphalt roof cement or an approved adhesive.

3.4 PROTECTION

3.4.1 Protection of Applied Insulation

Completely cover each day's installation of insulation with the finished roofing specified in Section 07412 or Section 07530 on same day. Do not permit phased construction. Protect open ends of each day's work with temporary water cutoffs, and remove when work is resumed. Protect open spaces between insulation and parapets or other walls and spaces at curbs, scuttles, and expansion joints, until permanent roofing and flashing are applied. Do not permit storing, walking, wheeling, or trucking directly on insulation or on roofed surfaces. Provide smooth, clean board or plank walkways, runways, and platforms near supports, as necessary, to distribute weight to conform to indicated live load limits of roof construction. Exposed edges of the insulation shall be protected by cutoffs at the end of each work day or whenever precipitation is imminent. Cutoffs shall be 2 layers of bituminous-saturated felt set in plastic bituminous cement or EPDM membrane set in roof cement. Fill all profile voids in cut-offs to prevent entrapping of moisture into the area below the membrane. Cutoffs shall be removed when work is resumed.

3.4.2 Damaged Work and Materials

Restore work and materials that become damaged during construction to original condition or replace with new materials.

3.5 INSPECTION

The Contractor shall establish and maintain an inspection procedure to assure compliance of the installed roof insulation with the contract requirements. Any work found not to be in compliance with the contract shall be promptly removed and replaced or corrected in an approved manner. Quality control shall include, but not limited to, the following:

a. Observation of environmental conditions; number and skill level of insulation workers; start and end time of work.

b. Verification of certification, listing or label compliance with FM P 9513.

c. Verification of proper storage and handling of insulation and vapor retarder materials before, during, and after installation.

d. Inspection of vapor retarder application, including edge envelopes and mechanical fastening.

e. Inspection of mechanical fasteners; type, number, length, and spacing.

f. Coordination with other materials, cants, sleepers, and nailing strips.

g. Inspection of insulation joint orientation and laps between layers, joint width and bearing of edges of insulation on deck.

h. Installation of cutoffs and proper joining of work on subsequent days.

i. Continuation of complete roofing system installation to cover insulation installed same day.

-- End of Section --

SECTION 00010 - SOLICITATION CONTRACT FORM

The required response date/time has changed from 12-Sep-2005 02:00 PM to 23-Sep-2005 11:00 AM.

SECTION 00100 - BIDDING SCHEDULE/INSTRUCTIONS TO BIDDERS

The following have been added by full text:

52.215-1 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (JAN 2004)—ALTERNATE I (OCT 1997)

(a) Definitions. As used in this provision--

“Discussions” are negotiations that occur after establishment of the competitive range that may, at the Contracting Officer's discretion, result in the offeror being allowed to revise its proposal.

In writing, writing, or written” means any worded or numbered expression which can be read, reproduced, and later communicated, and includes electronically transmitted and stored information.

“Proposal modification” is a change made to a proposal before the solicitation's closing date and time, or made in response to an amendment, or made to correct a mistake at any time before award.

“Proposal revision” is a change to a proposal made after the solicitation closing date, at the request of or as allowed by a Contracting Officer as the result of negotiations.

“Time”, if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on a Saturday, Sunday, or legal holiday, then the period shall include the next working day.

(b) Amendments to solicitations. If this solicitation is amended, all terms and conditions that are not amended remain unchanged. Offerors shall acknowledge receipt of any amendment to this solicitation by the date and time specified in the amendment(s).

(c) Submission, modification, revision, and withdrawal of proposals. (1) Unless other methods (e.g., electronic commerce or facsimile) are permitted in the solicitation, proposals and modifications to proposals shall be submitted in paper media in sealed envelopes or packages (i) addressed to the office specified in the solicitation, and (ii) showing the time and date specified for receipt, the solicitation number, and the name and address of the offeror. Offerors using commercial carriers should ensure that the proposal is marked on the outermost wrapper with the information in paragraphs (c)(1)(i) and (c)(1)(ii) of this provision.

(2) The first page of the proposal must show--

(i) The solicitation number;

(ii) The name, address, and telephone and facsimile numbers of the offeror (and electronic address if available);

(iii) A statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation and agreement to furnish any or all items upon which prices are offered at the price set opposite each item;

(iv) Names, titles, and telephone and facsimile numbers (and electronic addresses if available) of persons authorized to negotiate on the offeror's behalf with the Government in connection with this solicitation; and

(v) Name, title, and signature of person authorized to sign the proposal. Proposals signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.

(3) Submission, modification, or revisions of proposals. (i) Offerors are responsible for submitting proposals, and any modifications, revisions, or withdrawals, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that proposal or revision is due.

(ii)(A) Any proposal, modification, or revision received at the Government office designated in the solicitation after the exact time specified for receipt of offers is “late” and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and--

(1) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or

(2) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or

(3) It is the only proposal received.

(B) However, a late modification of an otherwise successful proposal that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(iii) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(iv) If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the office designated for receipt of proposals by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(v) Proposals may be withdrawn by written notice received at any time before award. Oral proposals in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile proposals, proposals may be withdrawn via facsimile received at any time before award, subject to the conditions specified in the provision at 52.215-5, Facsimile Proposals. Proposals may be withdrawn in person by an offeror or an authorized representative, if the identity of the person requesting withdrawal is established and the person signs a receipt for the proposal before award.

(4) Unless otherwise specified in the solicitation, the offeror may propose to provide any item or combination of items.

(5) Offerors shall submit proposals in response to this solicitation in English, unless otherwise permitted by the solicitation, and in U.S. dollars, unless the provision at FAR 52.225-17, Evaluation of Foreign Currency Offers, is included in the solicitation.

(6) Offerors may submit modifications to their proposals at any time before the solicitation closing date and time, and may submit modifications in response to an amendment, or to correct a mistake at any time before award.

(7) Offerors may submit revised proposals only if requested or allowed by the Contracting Officer.

(8) Proposals may be withdrawn at any time before award. Withdrawals are effective upon receipt of notice by the Contracting Officer.

(d) Offer expiration date. Proposals in response to this solicitation will be valid for the number of days specified on the solicitation cover sheet (unless a different period is proposed by the offeror).

(e) Restriction on disclosure and use of data. Offerors that include in their proposals data that they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, shall--

(1) Mark the title page with the following legend: This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed--in whole or in part--for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of--or in connection with-- the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets]; and

(2) Mark each sheet of data it wishes to restrict with the following legend: Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

(f) Contract award. (1) The Government intends to award a contract or contracts resulting from this solicitation to the responsible offeror(s) whose proposal(s) represents the best value after evaluation in accordance with the factors and subfactors in the solicitation.

(2) The Government may reject any or all proposals if such action is in the Government's interest.

(3) The Government may waive informalities and minor irregularities in proposals received.

(4) The Government intends to evaluate proposals and award a contract after conducting discussions with offerors whose proposals have been determined to be within the competitive range. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals. Therefore, the offeror's initial proposal should contain the offeror's best terms from a price and technical standpoint.

(5) The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit cost or prices offered, unless the offeror specifies otherwise in the proposal.

(6) The Government reserves the right to make multiple awards if, after considering the additional administrative costs, it is in the Government's best interest to do so.

(7) Exchanges with offerors after receipt of a proposal do not constitute a rejection or counteroffer by the Government.

(8) The Government may determine that a proposal is unacceptable if the prices proposed are materially unbalanced between line items or subline items. Unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more contract line items is significantly overstated or understated as indicated by the application of cost or price analysis techniques. A proposal may be rejected if the Contracting Officer determines that the lack of balance poses an unacceptable risk to the Government.

(9) If a cost realism analysis is performed, cost realism may be considered by the source selection authority in evaluating performance or schedule risk.

(10) A written award or acceptance of proposal mailed or otherwise furnished to the successful offeror within the time specified in the proposal shall result in a binding contract without further action by either party.

(11) If a post-award debriefing is given to requesting offerors, the Government shall disclose the following information, if applicable:

(i) The agency's evaluation of the significant weak or deficient factors in the debriefed offeror's offer.

(ii) The overall evaluated cost or price and technical rating of the successful and the debriefed offeror and past performance information on the debriefed offeror.

(iii) The overall ranking of all offerors, when any ranking was developed by the agency during source selection.

(iv) A summary of the rationale for award.

(v) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror.

(vi) Reasonable responses to relevant questions posed by the debriefed offeror as to whether source-selection procedures set forth in the solicitation, applicable regulations, and other applicable authorities were followed by the agency.

(End of provision)

52.215-5 FACSIMILE PROPOSALS (OCT 1997)

(a) Definition. Facsimile proposal, as used in this provision, means a proposal, revision or modification of a proposal, or withdrawal of a proposal that is transmitted to and received by the Government via facsimile machine.

(b) Offerors may submit facsimile proposals as responses to this solicitation. Facsimile proposals are subject to the same rules as paper proposals.

(c) The telephone number of receiving facsimile equipment is: (212) 264-3013.

(d) If any portion of a facsimile proposal received by the Contracting Officer is unreadable to the degree that conformance to the essential requirements of the solicitation cannot be ascertained from the document--

(1) The Contracting Officer immediately shall notify the offeror and permit the offeror to resubmit the proposal;

(2) The method and time for resubmission shall be prescribed by the Contracting Officer after consultation with the offeror; and

(3) The resubmission shall be considered as if it were received at the date and time of the original unreadable submission for the purpose of determining timeliness, provided the offeror complies with the time and format requirements for resubmission prescribed by the Contracting Officer.

The Government reserves the right to make award solely on the facsimile proposal. However, if requested to do so by the Contracting Officer, the apparently successful offeror promptly shall submit the complete original signed proposal.

(End of provision)

The following have been deleted:

52.214-3	Amendments To Invitations For Bids	DEC 1989
52.214-4	False Statements In Bids	APR 1984
52.214-5	Submission Of Bids	MAR 1997
52.214-6	Explanation To Prospective Bidders	APR 1984
52.214-7	Late Submissions, Modifications, and Withdrawals of Bids	NOV 1999
52.214-18	Preparation of Bids-Construction	APR 1984
52.214-19	Contract Award-Sealed Bidding-Construction	AUG 1996
52.214-5000	Apparent Clerical Mistakes	MAY 1999

(End of Summary of Changes)

HEATING WATER COIL (HC) SCHEDULE

PLAN DESIGNATION	QTY	SERVICE	FLOW RATE (L/s)	MINIMUM COIL AREA (m^2)	MAXIMUM FACE VELOCITY (m/s)	MAXIMUM PRESSURE DROP Pa)	MINIMUM ROWS	AIRSIDE CONDITIONS		WATERSIDE CONDITIONS				MAXIMUM PRESSURE DROP (kPa)			NOTES
								EAT (°C)	LAT (°C)	FLOW RATE (L/s)	EWT (°C)	LWT (°C)	ACV SIZE (mm)	COIL	ACV	TOTAL	
HC-1	1	AHU-1	2,331	0.9	2.5	190	2	2.3	29.4	0.9	82.2	60.0	32	6.0	19.4	25.4	(1)

WATER COOLING COIL (WCC) SCHEDULE

PLAN DESIGNATION	QTY	SERVICE	FLOW RATE (L/s)	MINIMUM COIL AREA (m^2)	MAXIMUM FACE VELOCITY (m/s)	MAXIMUM PRESSURE DROP (Pa)	Minimum Rows	AIRSIDE CONDITIONS				WATERSIDE CONDITIONS			MAXIMUM PRESSURE DROP (kPa)			NOTES
								EAT (°C DB)	EAT (°C WB)	LAT (°C DB)	LAT (°C WB)	FLOW RATE (L/s)	EWT (°C)	ACV SIZE (mm)	Coil	ACV	Total	
WCC-1	1	AHU-1	2,331	0.9	2.5	250	8	25.4	18.4	12.4	12.2	2.4	7.2	50	50.5	22.4	73.0	(1)

AIR COOLED LIQUID CHILLER SCHEDULE

UNIT NO.	CHILLER							COMPRESSOR				CONDENSER					Remarks
	Capacity KW (Nom.) @34.65° C Ambient Air	L/S	Temp (°C) In	Temp (°C) Out	Press. Drop (Max.) (MM)	EER	Input KW/Ton	Nom. Size (KW)	Volt/ Phase	Steps of Unloading	No. of Comp.	Nom. Size (KW)	No. of Coils	Condenser Fans: No. of Fans	Condenser Fans: W	Condenser Fans: Volt/ Phase	
CH-1	162	6.94	12.8	7.2	2743	9.8	53.5/43.8	176	Note 5	100-80-60-30	2/2	176	2	6	746	Note 5	See Notes 1 through 5 below

Notes:
1. Provide reduced voltage starters for each compressor.
2. Unit shall be compatible with AHU-1 & 2.
3. Chiller shall be operated with 50% propylene glycol.
4. Provide local safety disconnect switch.
5. See electrical drawings for electrical power characteristics

AIR HANDLING UNIT (AHU) SCHEDULE

Plan Designation	Supply Fan						Return/Exhaust Fan					Filter		Electrical (V/Hz/Phase)	Notes
	Flow Rate (L/s)	Minimum Outdoor Air (L/s)	External Static Pressure (Pa.)	RPM	Brake Power (kW)	Motor Power (kW)	Flow Rate (L/s)	External Static Pressure (iPa.)	RPM	Brake Power (kW)	Motor Power (kW)	Type	Efficiency (%)		
AHU-1	**2,331**	**777**	**313**	**1350**	**3.3**	**3.7**	**2,331**	**313**	**890**	**1.8**	**2.2**	**Pleated**	**MERV 8**	**200/60/3**	**1, 2, 3**

ATTACHMENT 1